

*** STUDENT'S T - TEST ***

V2.60 Dec 91 - by Stanley Kaplan, Ph.D.

FLIGHT INTERMED SLOW RAHF VS DFPT INTERMED SLOW RAHF % FT (1-4) AL

Calculated F-ratio = 4.0526 with 3, 3 degrees of freedom.

The variances are equal since 4.0526 is less than 9.2800

*** R A W D A T A ***

	GROUP 1	GROUP 2
1 >>>>>	26.0000	0.0000
2 >>>>>	17.0000	0.0000
3 >>>>>	30.0000	7.0000
4 >>>>>	15.0000	5.0000
N's >>>>>	4	4
Total >>>>>	88.0000	12.0000
Means >>>>>	22.0000	3.0000
Sum of squares >>>>>	154.0000	38.0000
Variances >>>>>	51.3333	12.6667
Std deviations >>>>>	7.1647	3.5590
Calculated value of T =	4.7500 with	6 degrees of freedom.

The exact F-value is: 0.0032 or 99.68%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples DO differ significantly at the 1% level, ONE-TAILED.

The samples DO differ significantly at the 5% level, TWO-TAILED.

The samples DO differ significantly at the 1% level, TWO-TAILED.

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FLIGHT LIGHT SLOW RAHF VS DFPT LIGHT SLOW RAHF % FT (RAHF 1-4) AL

Calculated F-ratio = 3.6524 with 3, 3 degrees of freedom.

The variances are equal since 3.6524 is less than 9.2800

*** R A W D A T A ***

	GROUP 1	GROUP 2
1 ==>	74.0000	100.0000
2 ==>	83.0000	100.0000
3 ==>	69.0000	92.0000
4 ==>	85.0000	95.0000
N's ==>	4	4
Total ==>	311.0000	387.0000
Means ==>	77.7500	96.7500
Sum of squares ==>	170.7500	46.7500
Variances ==>	56.9167	15.5833
Std deviations ==>	7.5443	3.9476
Calculated value of T =	4.4629 with	6 degrees of freedom.

The exact P-value is: 0.0043 or 99.57%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples DO differ significantly at the 1% level, ONE-TAILED.

The samples DO differ significantly at the 5% level, TWO-TAILED.

The samples DO differ significantly at the 1% level, TWO-TAILED.

*** STUDENT'S T - TEST ***

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FLIGHT INTERMED SLOW RAHF VS DFPT INTERMED SLOW RAHF % FT (6-10) **AL**

Calculated F-ratio = 59.5882 with 4 . 4 degrees of freedom.

The variances are UNEqual since 59.5882 is greater than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
1 =====>	27.0000	1.0000
2 =====>	18.0000	0.0000
3 =====>	24.0000	0.0000
4 =====>	29.0000	0.0000
5 =====>	4.0000	3.0000
N's =====>	5	5
Total =====>	102.0000	4.0000
Means =====>	20.4000	0.8000
Sum of squares =====>	405.2000	6.8000
Variances =====>	101.3000	1.7000
Std deviations =====>	10.0648	1.3038

Calculated value of T = 4.3184 with 4 degrees of freedom.

The exact P-value is: 0.0125 or 98.75%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples DO differ significantly at the 1% level, ONE-TAILED.

The samples DO differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.

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FLIGHT LIGHT SLOW RAHF VS DFPT LIGHT SLOW RAHF % FT (RAHF 6-10) *AL*

Calculated F-ratio = 60.7647 with 4 , 4 degrees of freedom.

The variances are UNEqual since 60.7647 is greater than 6.3900

*** R A W D A T A ***

	GROUP 1	GROUP 2
1 =====>	73.0000	99.0000
2 =====>	82.0000	100.0000
3 =====>	75.0000	100.0000
4 =====>	71.0000	100.0000
5 =====>	96.0000	97.0000
N's =====>	5	5
Total =====>	397.0000	496.0000
Means =====>	79.4000	99.2000
Sum of squares =====>	413.2000	6.8000
Variances =====>	103.3000	1.7000
Std deviations =====>	10.1637	1.3038

Calculated value of T = 4.3207 with 4 degrees of freedom.

The exact P-value is: 0.0124 or 98.76%

The samples DO differ significantly at the 5% level, ONE-TAILED.

The samples DO differ significantly at the 1% level, ONE-TAILED.

The samples DO differ significantly at the 5% level, TWO-TAILED.

The samples do NOT differ significantly at the 1% level, TWO-TAILED.